<u> Production - Natural Gas STAR Annual Report - </u>

Company Information

Company Name: Williams Production RMT Company

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Gas STAR Contact: Jim Tangeman

Senior Environmental Specialist ' Title

Address:

1515 Arapahoe Street

Tower 3, Suite 1000

City: Denver

State: CO

> Zip: 80202

Phone: (303) 629-8454

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E-mail: Jim.Tangeman@Williams.com

Company Information Updated: No

Activities Reported

BMP1: No BMP2: No BMP3: Yes

Total Methane Emission Reductions Reported This Year: 17,850,000

Previous Years' Activities Reported: No

Period Covered by Report

From: 01/01/2007

. To: 12/31/2007

Additional Comments

BMP3: Partner Reported Opportunities (PROs)

A. Facility/location identifier information:

Current Year Activities

B. Description of PRO

Piceance Basin well sites 🗸

Please specify the technology or practice that was implemented: Green completions
Please describe how your company implemented this PRO: Williams utilizes hydraulic fracing technology for its well completions in the Piceance Basin. A common practice during the completion phase was to either vent or flare the abrasive sand/water/gas mixture until the well cleaned-up enough after which it would be connected to the gathering system.
To safely flow the gas to the gathering system during the completion phase of a natural gas well, Williams along with its contractor BRECO has designed a heavyduty flowback unit that separates the sand and water from the gas after it is fraced. The water is discharged to frac tanks to be reused for future well completions and the gas is routed to the gathering system instead of either being flared or vented to atmosphere.
The gas that is routed through the BRECO skid is metered for each well at a pad and this information is generated by a report using our DIMS/TOW production database.
C. Level of Implementation
D. Methane Emissions Reduction Methane Emissions Reduction: 17,850,000 Mcf/year
Basis for the emissions reduction estimate: Actual field measurement
E. Are these emissions reductions a one-year reduction or a multi-year reduction?
√√ One-yeaт Multi-year
If Multi-year:
Partner will report this activity once and let EPA automatically calculate future emission reductions based on sunset date duration.
Partner will report this activity annually up to allowed sunset date.

	Frequency of practice	Total Cost *	Estimated Reductions	Value of Gas
Previous Y	ears' Activities			
	d Future Activities tent do you expect to implement th	nis PRO next year?	:	
	Talue of Gas Saved as Saved: \$ 103,530,000 ✓ d: \$ 5.80			
Estimated o	cost of implementing the PRO (inc	cluding equipment	and labor): \$ 10,830,000	✓

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Year	Frequency of practice or # of Installations	Total Cost * (\$)	Estimated Reductions (Mcf/Yr)	Value of Gas Saved (S)

^{*} Total cost of practice/activity (including equipment and labor)

Additional Comments

Production - Natural Gas STAR Annual Report -

Williams Production RMT Company Additional Accomplishments